

Title (en)

A SPRING BRAKE ACTUATOR FOR A VEHICLE, IN PARTICULAR PARKING OR EMERGENCY BRAKE ACTUATOR FOR USE IN A COMMERCIAL VEHICLE

Title (de)

FEDERSPEICHERBREMSZYLINDER FÜR EIN FAHRZEUG, INSBESONDERE FESTSTELL- ODER NOTBREMSZYLINDER ZUR VERWENDUNG IN EINEM NUTZFAHRZEUG

Title (fr)

ACTIONNEUR DE FREIN À RESSORT POUR UN VÉHICULE, EN PARTICULIER ACTIONNEUR DE FREIN DE STATIONNEMENT OU D'URGENCE DESTINÉ À ÊTRE UTILISÉ DANS UN VÉHICULE UTILITAIRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2020194078A1] The invention relates to a spring brake actuator (1) for a vehicle comprising a cylinder housing (2) having a base (5) and a spring seat (7) on the base, a spring brake piston (9) located in said housing (5) for applying a braking force, a compression spring (11) arranged between the spring seat (7) and the piston (9), the spring being effective to push the piston (9) away from the base (5), wherein the housing (2) is divided into a spring chamber (12) and a pressure chamber (14), the compression spring being arranged in the spring chamber and the pressure chamber being supplied with pressurized fluid. The spring brake actuator (1) comprises an elastically deformable diaphragm (16) that comprises an annular flange (17) which is sealingly mounted to the housing (2) and an inner periphery (18) which is sealingly mounted to the piston (9) such that the pressure chamber (14) is fluid-tightly isolated from the spring chamber (12).

IPC 8 full level

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